## Subtraction

## Stage 1

Children understand the concept of subtraction as taking a number away from another. They understand and use - and = symbols accurately. Calculations should be written on either side of the equals sign so $=$ is not just interpreted as the answer.

$$
6-2=4
$$

$$
4=6-2
$$

Children use Numicon and visual representations to subtract numbers.


3
Counting backwards in ones on a number line.
Use Numicon to subtract


## Stage 3

Subtracting 2 digit numbers from other 2 digit numbers using a column method. Use expanded method first with no exchanging at this stage. Model both methods alongside each other to show 'same and difference' of methods. Expanded method

Formal method

| $36+12=$ | $30+6$ |
| :--- | :---: |
| Partition | $-\frac{10+2}{20+4}$ |
| and | $\frac{36}{24}$ |
| Recombine | -24 |

Recommended by the end of year 2

## Stage 2

Begin to 'find the difference' by counting on in ones using a number line.

$$
21-17
$$


Years 1 and 2

## Stage 4

Column subtraction of 2,3 and 4 digit numbers using expanded methods first but show both methods together to discuss similarities and differences of both methods.

Pupils must have a secure understanding of place value and partitioning

| $20 \quad 16$ | 21 |  | $80 \quad 13$ | 81 |
| :---: | :---: | :---: | :---: | :---: |
| $30+6$ | 36 | leading to | $600+90+3$ | 693 |
| $-10+9$ | -19 |  | $-200+70+5$ | -275 |
| $\underline{10+7}$ | 17 |  | $\underline{400+10+8}$ | 418 |
| $=17$ |  |  | $=418$ |  |

Recommended by the end of year 3

Stage 5 - Formal written methods
Short written methods using 'exchange'.
81
7893

- 5385 2508

Recommended by the end of year 4

Stage 6 - Subtraction using decimals

| 5.161 |
| ---: |
| 36.76 |
| $-\quad 13.87$ |
| 22.89 |

Recommended by the end of year 5

